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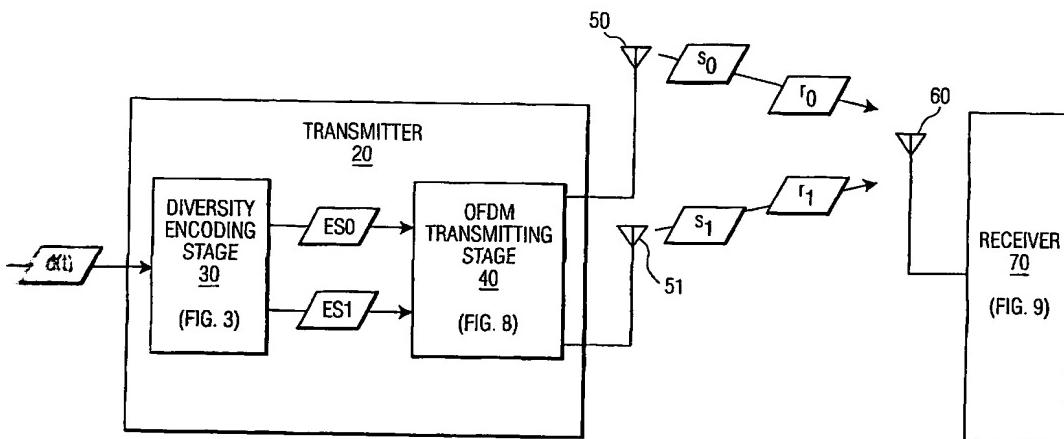
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(54) Title: TRANSMITTER DIVERSITY METHOD FOR OFDM SYSTEM



(57) Abstract: A transmitter (20) of an OFDM system (10) splits a data input signal into a pair of OFDM subcarrier streams (S0, S1). The transmitter further implements a cross subcarrier transmitter diversity encoding of the OFDM subcarrier streams (S0, S1). The result is a pair of encoded OFDM subcarrier stream (ES0, ES1) that are transformed into modulated transmitter signals (s0, s1), respectively, which are transmitted to a receiver antenna (60) via an transmitter antenna (50) and a transmitter antenna (51), respectively.

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